WESTON MANAGERS DESIGNERS/CONSULTANTS
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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-WO-0036

TAT-02-F-06713

MEMORANDUM

TO: Nick Magriples, EPA OSC

FROM: Victor Vicenty, TAT ~~PM~~
Michael Mentzel, TAT QC MM

DATE: July 22, 1992

SUBJECT: Bayonne Barrel and Drum Assessment and Sampling Trip Report
US Highway 1 and Raymond Boulevard
Newark, Essex County, New Jersey

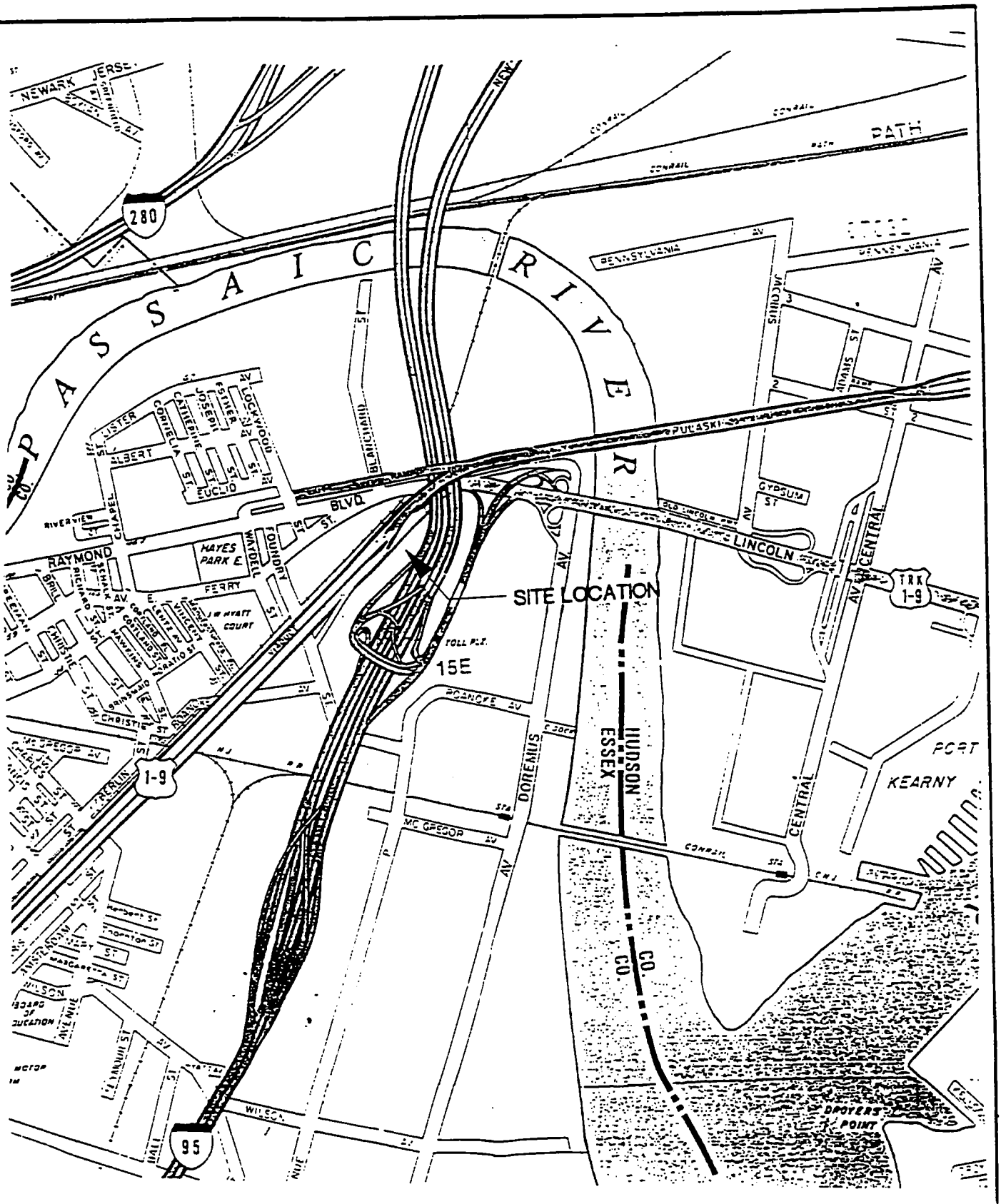
This memorandum summarizes the July 15, 1992, site assessment and sampling activities performed at the aforementioned site. Figure 1 shows the approximate location of the site.

EPA and TAT mobilized to the site to conduct air monitoring and hazcat samples collected from drums contained in a trailer within the site. The approximate location of the trailer within the site is shown on Figure 2.

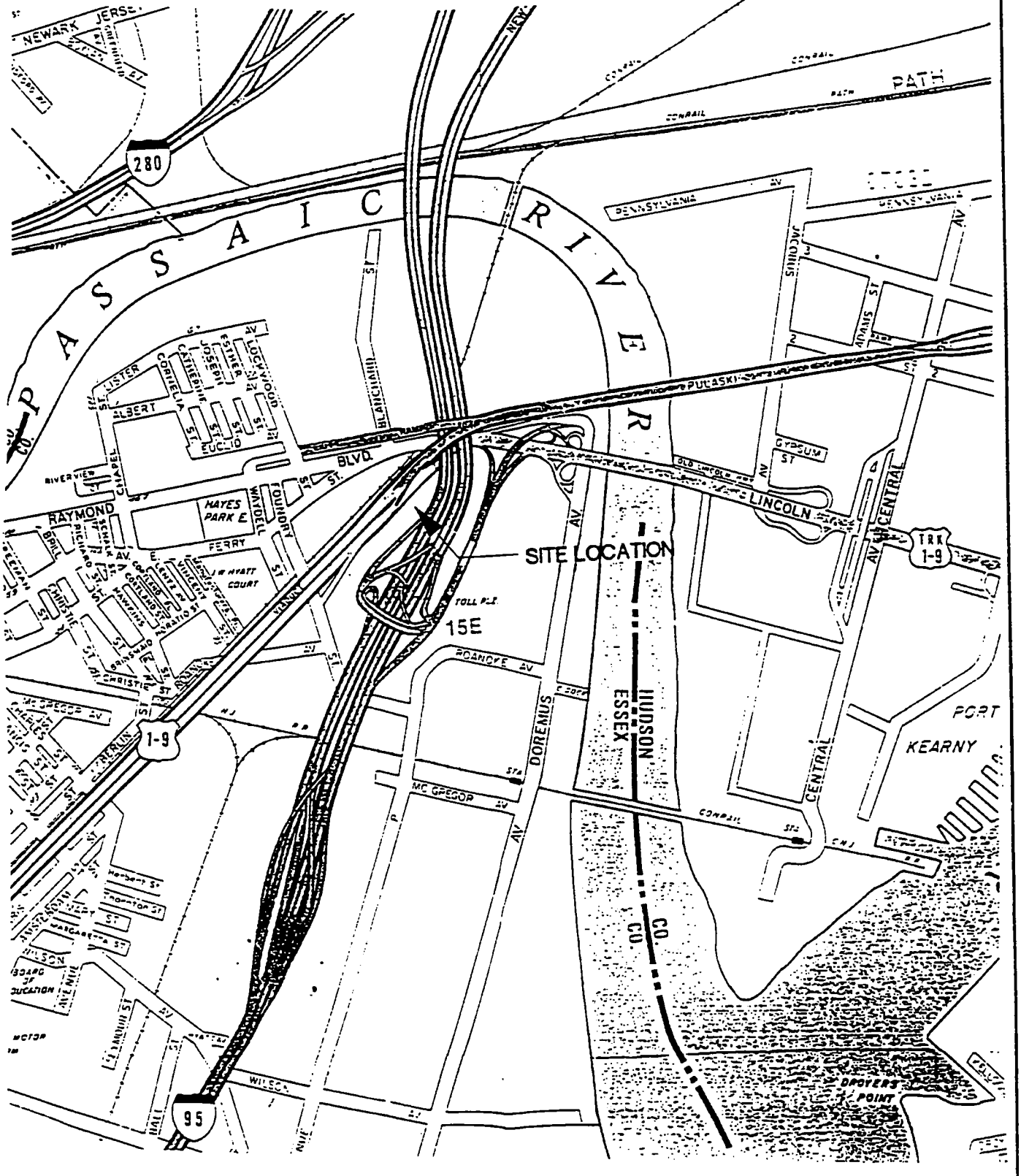
EPA and TAT performed a Level "B" initial entry into the trailer with an HNU/PID (10.2 eV probe), OVA/FID and radiation meter. No readings above background conditions were observed. An air monitoring log is presented as Appendix A.

Afterwards, EPA and TAT inventoried the trailer. Sixteen (16) drums were observed to contain product and approximately 25 were empty. The drums were numbered from 1 to 16 in red. The numbers were circled since the drums had numerical markings on them. A description of the drums, including all markings, was logged in the site log book.

EPA and TAT obtained all samples using glass drum thieves. Samples were collected in 8 oz. glass jars. Samples could not be obtained from drums 1, 5, 8, 14 and 15. Drum No 1 contained a black sludge, drum 8 had about 1" of material and drums 5, 14 and 15 were empty. A total of 11 samples were collected. TAT kept constant air monitoring during the initial portion of the sampling operation. Low Hnu-battery charge distorted the instrument readings and the instrument was not further used.



WESTON Roy F. Weston, Inc. MAJOR PROGRAMS DIVISION	EPA PM N. Magriples	Site Locator
IN ASSOCIATION WITH FOSTER WHEELER CORP., C.C JOHNSON & MALHOTRA, P.C., RESOURCE APPLICATIONS, INC. AND R.E. SARRIERA ASSOCIATES	TAT PM V. Vicenty	Figure 1



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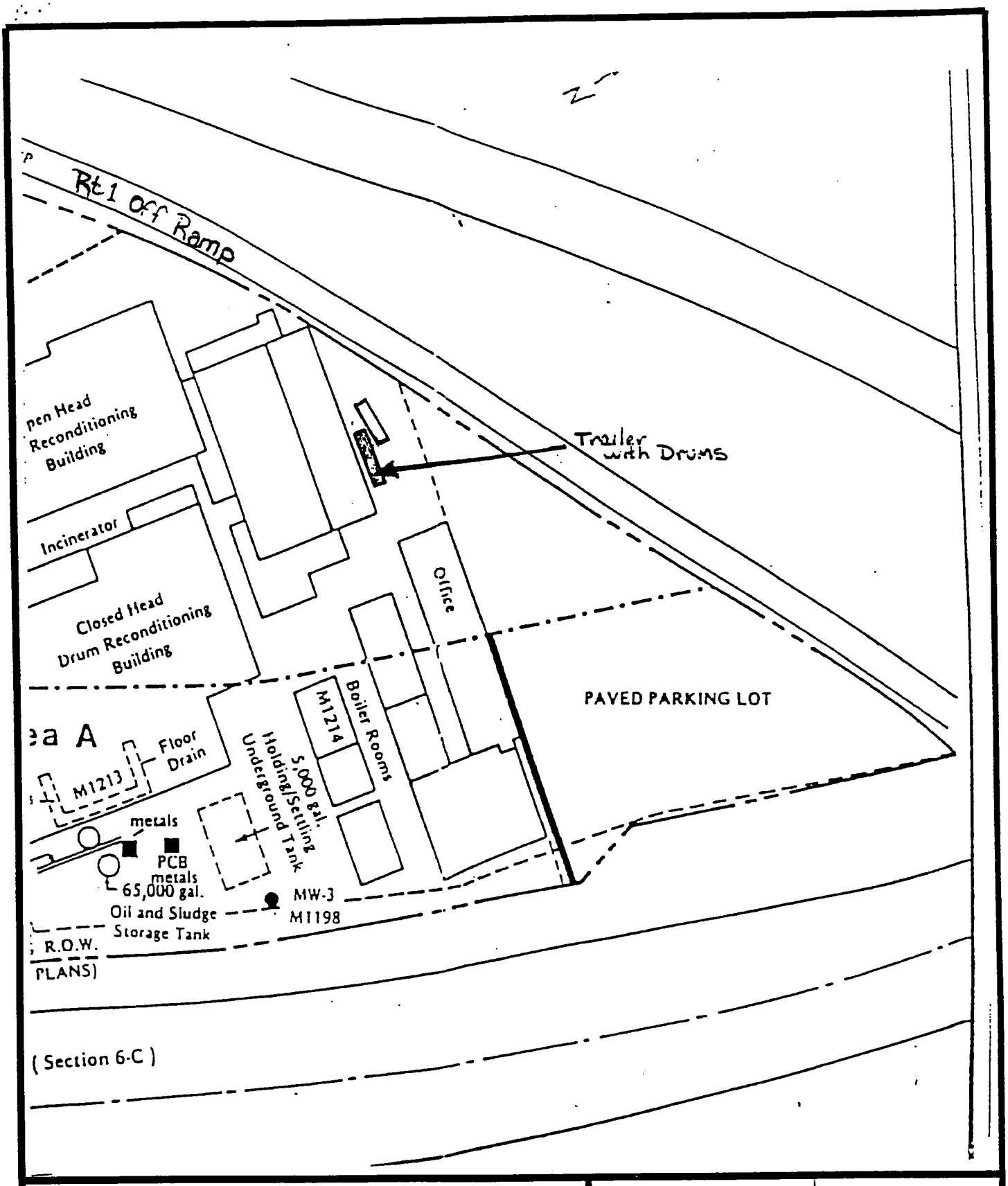

WESTON MANAGERS DESIGNERS/CONSULTANTS **Roy F. Weston, Inc.** **MAJOR PROGRAMS DIVISION**	EPA PM N. Magriples	
IN ASSOCIATION WITH FOSTER WHEELER CORP., C.C JOHNSON & MALHOTRA, P.C., RESOURCE APPLICATIONS, INC. AND R.E. SARRIERA ASSOCIATES	TAT PM V. Vicenty	Trailer Locator

The samples were cleaned, delivered to the TAT Hazcatter and tested on-site. According to the hazcatting results, the materials include combustible, chlorinated and corrosive liquids. A summary of the hazcatting results is presented as Appendix B.

Seven samples were selected by the OSC for laboratory analyses. These samples were carried to Laboratory Resources, Inc., in East Brunswick, NJ. A summary of the sampling event shipment in Presented in Table 1 below.

TABLE 1

Sample Number	Matrix	Analyses	Location	Shipment Date
2	Liquid	Ignitability - Corrosivity	Drum No. 2	07-15-92
4	Liquid	Ignitability - Corrosivity	Drum No. 4	07-15-92
7	Liquid	Ignitability - Corrosivity	Drum No. 7	07-15-92
9	Liquid	Ignitability - Corrosivity	Drum No. 9	07-15-92
10	Liquid	Ignitability - Corrosivity	Drum No. 10	07-15-92
11	Liquid	Ignitability - Corrosivity	Drum No. 11	07-15-92
13	Liquid	Ignitability - Corrosivity	Drum No. 13	07-15-92
17	Liquid	Ignitability - Corrosivity	Drum No. 7	07-15-92

A copy of the Chain of Custody Record is included as Appendix C. The summary of the laboratory results and a copy of them is presented as Appendices D and E respectively.

TAT documented all site activities and conditions in a logbook. All hazardous PPE and hazcatted samples were left on-site.

cc: TAT PM
TDD File

APPENDIX A

Date: 7/15/92
Data Collected by: Victor Vicenty

Data to be summarized by a "Range of readings,i.e.,- Low to High" and/or "Average" by location.

Station/Location	CGI/O_2 Meter	Radiation Meter	PID/Probe	FID/OVA	Detector Tube HCl, HCN
Background		.05	0.2 units	1 ppm	
~~Inside~~ Trailer		.05	0.2 units	1 ppm	0, 0

Summary/Comments: No readings were detected above background levels

APPENDIX B

Drum Number	Type of Drum	Size (gal)	Full (%)	Markings/Comments	Solubility		pH	State	Color	Miscellaneous	Compatibility Group
					Water	Hexane					
1	17-E	55	25	D - 2 Sludge						HNu - Background Oxid. - CN - Cl - Flam. -	Sample Not Drawn
2	17-E	55	33		+	-	4	Liquid	Clear	HNu - Background Oxid. - Negative CN - Negative Cl - Negative Flam. - Negative	NL
3	17-E	55	75	D - 1	-	+	5	Oily Water	Brown	HNU - 120 units Oxid. - Negative CN - Negative Cl - Negative Flam. - Negative	Oily Water
4	17-E	55	100	D - 3 Hangstore	+	+	4	Liquid	Clear	HNU - 20 Oxid. - Negative CN - Negative Cl - Negative Flam. - Positive	OL
5	Poly	55	0	Empty Drum						HNU - Oxid. - Flam. -	MT
6	17-E	55	33	D - 4 Oil Clear	SS	SS	5	Liquid	Rust/ Reddish	HNU - 2 units Oxid. - Negative CN - Negative Cl - Negative Flam. - Negative	Oily Water
7	17-E	55	33	Grey Mills Clipper Gitene Parts Cleaning Fluid Methylene Chl.	+	+	5	Liquid	Clear	HNU - 3 Units Oxid. - Negative CN - Negative Cl - Positive Flam. - Positive	OL
8	17-E	55	1"							HNU - Oxid. - CN - Cl - Flam. -	MT
9	17-E	55	75	D - 5 Castor Oil HNu's sensitivity may have been affected by low battery charge.	-	+	5	Liquid	Clear Amber	HNu - Background Oxid. - Negative CN - Negative Cl - Negative Flam. - Positive	OL
10	17-E	55	33	D - 6 HNu's sensitivity may have been affected by low battery charge.	+	-	7	Liquid	Clear Amber	HNu - Background Oxid. - Negative CN - Negative Cl - Negative Flam. - Positive	Flammable Inorganic Liquid

Drum Number	Type of Drum	Size (gal)	Full (%)	Markings/Comments	Solubility		pH	State	Color	Miscellaneous	Compatibility Group
					Water	Hexane					
11	17-E	55	100	D - 7 IPL HNu's sensitivity may have been affected by low battery charge.	+	+	5	Liquid	Clear	HNu - Background Oxid. - Negative CN - Negative Cl - Negative Flam. - Positive	Flammable Inorganic Liquid
12	17-E	55	25	ZEP HNu's sensitivity may have been affected by low battery charge.	+	-	5	Liquid	Clear	HNu - Background Oxid. - Negative CN - Negative Cl - Negative Flam. - Negative	NL
13	17-E	55	100	DTL Alcohol	-	+	5	Liquid	Clear	HNu - ND Oxid. - Negative CN - Negative Cl - Positive Flam. - Positive	OL
14	17-E	55	0	Empty Drum						HNU - Oxid. - Flam. -	MT
15	17-E	55	0	Empty Drum						HNU - Oxid. - Flam. -	MT
16	Poly Carboy	30	6"	Phosphoric Acid (HPO3) Corrosive - Monsanto	-	-	0 - 1	Liquid	Clear	HNu - Oxid.- Flam.-	Corrosive Liquid

Legend:

OL - Organic Liquid
NL - Neutral Liquid
MT - Empty
ND - Not Performed

APPENDIX C

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II
ENVIRONMENTAL SERVICES DIVISION
EDISON, NEW JERSEY 08817

T2 08621

Name of Unit and Address: Nick Magriples (908) 906-6930
Region II EPA, 2890 Woodbridge Ave
Edison NJ

Sample Number	Number of Containers	Description of Samples
2	1	1x8oz for Ignitability & Corrosivity
4	1	"
7	1	"
9	1	"
10	1	"
11	1	"
13	1	"
17	1	"

Person Assuming Responsibility for Sample: Victor Vicenty Region II EPA-TRT — Time: 1430 — Date: 7/15/92

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
All	Victor Vicenty				Laboratory Analysis
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
2		[illegible]	[illegible]	[illegible]	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody

APPENDIX D

SUMMARY OF LABORATORY ANALYSES

Sample Number	Flashpoint (F) Results	Corrosivity(pH units) Results
2	> 160	3.99
4	125	3.73
7	> 160	4.20
9	130	4.88
10	130	8.30
11	80	6.30
13	80	4.64
17	> 160	4.52

APPENDIX E

Order # I2-07-135
07/21/92 13:07

REGULAR TEST RESULTS BY TEST

CORROSIVITY OF WASTE SAMPL **Minimum:** 1 **Maximum:** 14
Method:

Sample	Sample Description	Result	Units	Extracted	Analyzed	By
01A	2	3.99	pH units		07/16/92	JD
02A	4	3.73	pH units		07/16/92	JD
03A	7	4.20	pH units		07/16/92	JD
04A	9	4.88	pH units		07/16/92	JD
05A	10	8.30	pH units		07/16/92	JD
06A	11	6.30	pH units		07/16/92	JD
07A	13	4.64	pH units		07/16/92	JD
08A	17	4.52	pH units		07/16/92	JD

FLASH POINT (DEGREES F) **Minimum:** **Maximum:**
Method: ASTM D-93

Sample	Sample Description	Result	Units	Extracted	Analyzed	By
01A	2	>160	degrees F		07/17/92	JD
02A	4	125	degrees F		07/17/92	JD
03A	7	>160	degrees F		07/17/92	JD
04A	9	130	degrees F		07/17/92	JD
05A	10	130	degrees F		07/17/92	JD
06A	11	80	degrees F		07/17/92	JD
07A	13	90	degrees F		07/17/92	JD
08A	17	>160	degrees F		07/17/92	JD